



#9/Ext. 2/ Pre-  
PATEENT  
TECHNOLOGY CENTER 2800  
2002

In re application of: Noboru Segawa

Attorney Docket No.: SIP1P045

Application No.: 09/787,932

Examiner: Addison, Karen

Filed: March 21, 2001

Group: 2834

Title: Motor

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail to: Commissioner for Patents, Washington, DC 20231 on September 13, 2002.

Signed:

Lara M. Nelson  
Lara M. Nelson

**AMENDMENT ACCOMPANYING RCE**

Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

In response to the Final Office Action mailed on May 13, 2002, please enter the following amendments in response.

**In the Claims:**

Cancel pending claims 1 through 7, without prejudice and enter new claims 8 through 17 below:

8. A motor comprising:

C'  
a motor body;  
an output shaft projecting from a front end of the motor body; and  
a power supplying terminal electrically coupled to the motor body, the power supplying terminal further comprising:  
a first portion extending substantially parallel to the output shaft; and  
a bent section coupled to the first portion, the bent section maintaining a position at least as far from the motor body as the first portion.

9. The motor according to claim 8, wherein the terminal further comprises:

SEP 15 2002 TELETYPE 00000109 05707502

SEP 13 2002

110100 00

SIP1P045/SDB/JP

a second portion coupled to the bent section, the second portion extending substantially parallel to the first portion; and

*C1  
amcd.* a third portion comprising a grounding portion projecting outward in a curved manner from the second portion.

10. The motor of claim 8 wherein the terminal is formed by bending an elastic material.

11. The motor of claim 9 wherein the terminal has an elastic force in a direction substantially orthogonal to the output shaft , the grounding portion being disposed near a rear end of the motor body.

12. The motor of claim 8 wherein a weight is eccentrically secured to the output shaft.

13. The motor of claim 8 wherein the motor is mounted and operates within a cellular phone.

14. A cellular phone having a motor as in claim 8.

15. A cellular phone having a motor as in claim 9.

16. A cellular phone having a motor as in claim 10.

17. A cellular phone having a motor as in claim 11.

18. A cellular phone having a motor as in claim 12.

---

## REMARKS

Claims 1 through 7, pending in the parent application have been cancelled and new claims 8 through 18 are entered by this amendment.

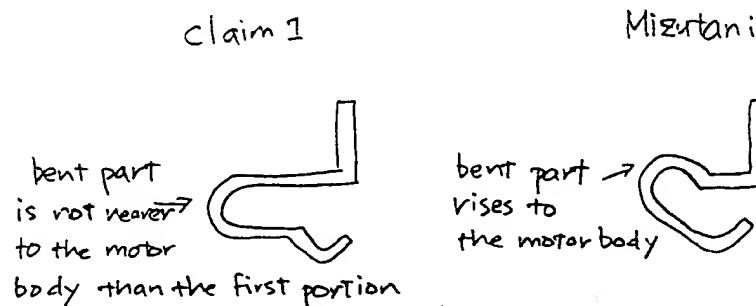
In the parent case, the Examiner maintained the rejection of claims 1 through 7 under 35 U.S.C. §103 (a) as unpatentable over the combination of Tomimaru (11-13627) and Mizutani (JP2-27170).

Newly entered claims 8 through 18 all include a terminal with a first portion extending parallel to the output shaft of a motor and a bent part that extends from the first portion but does not extend any closer to the motor body than the first portion. This terminal construction allows the first portion to be situated very close to the motor body, allowing the terminal and motor to occupy less space.

Tomimaru uses a spring instead of a terminal as claimed herein and cannot therefore make a terminal of the type described and claimed herein obvious.

Mizutani describes a terminal, but the bent portion of the Mizutani terminal curves so that it lies relatively closer to the motor body than does bent portion of the terminal claimed herein. It is not obvious from the Mizutani reference how to bend the terminal to permit a more compact combination of terminal and motor, while still allowing the terminal to provide the proper elastic force needed to insure reliable electrical connection.


The figure below shows the terminal of the present invention and the terminal shown in Mizutani. The effect that the different bent sections has is clearly illustrated in this figure.



Given that neither reference describes or even suggests a terminal with a first portion parallel to the output shaft of the motor and a bent section coupled to the first portion but not extending closer to the motor body than the first portion, applicant believes that newly entered claims 8 through 18 are allowable over the art cited in the parent application.

Applicant believes that all pending claims are allowable and respectfully requests a Notice of Allowance for this application from the Examiner. Should the Examiner believe that a telephone conference would expedite the prosecution of this application, the undersigned can be reached at the telephone number set out below.

Respectfully submitted,  
BEYER WEAVER & THOMAS, LLP

  
Steve D Beyer  
Reg. No. 31,234

P.O. Box 778  
Berkeley, CA 94704-0778